

FIG. 1

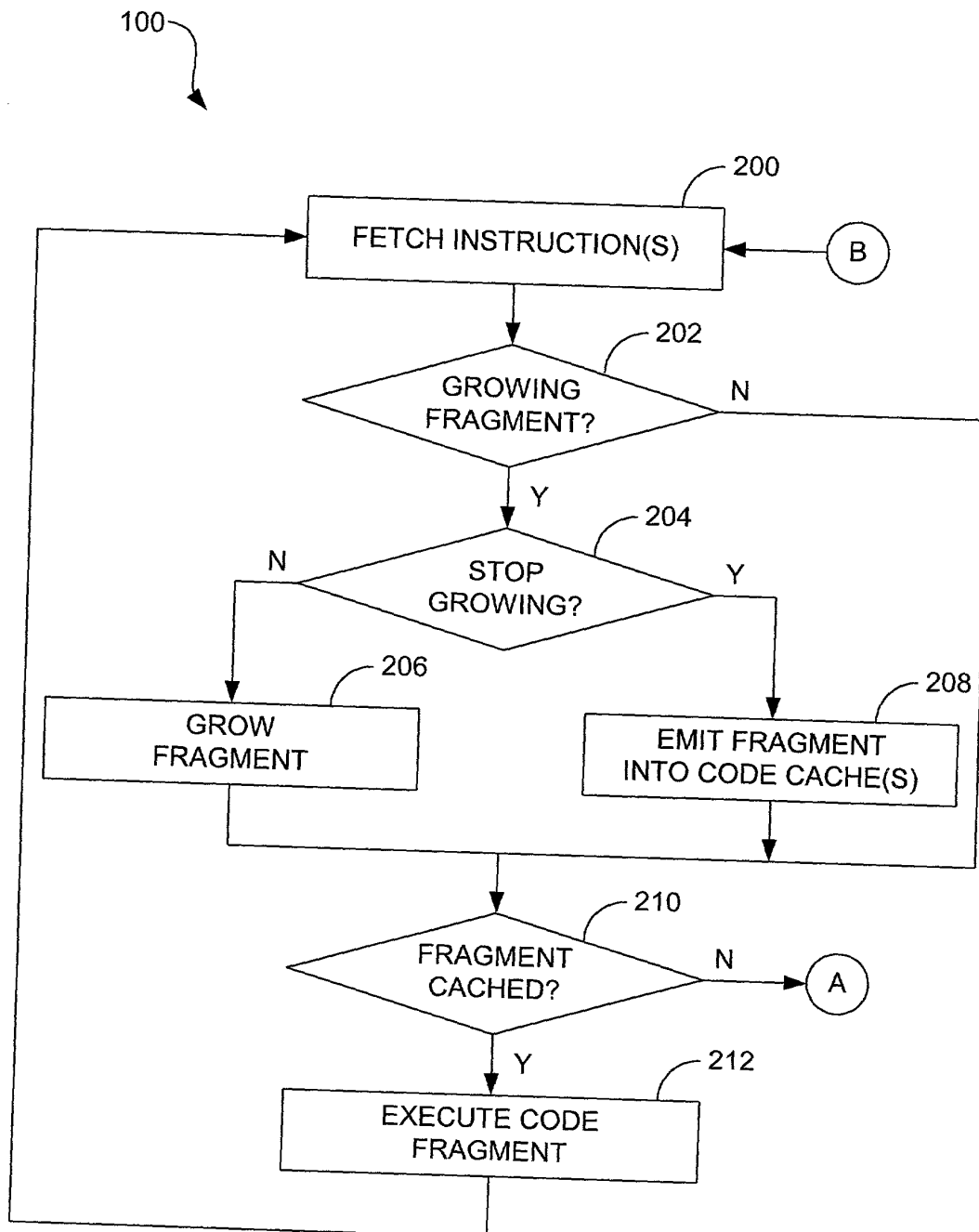


FIG. 2A

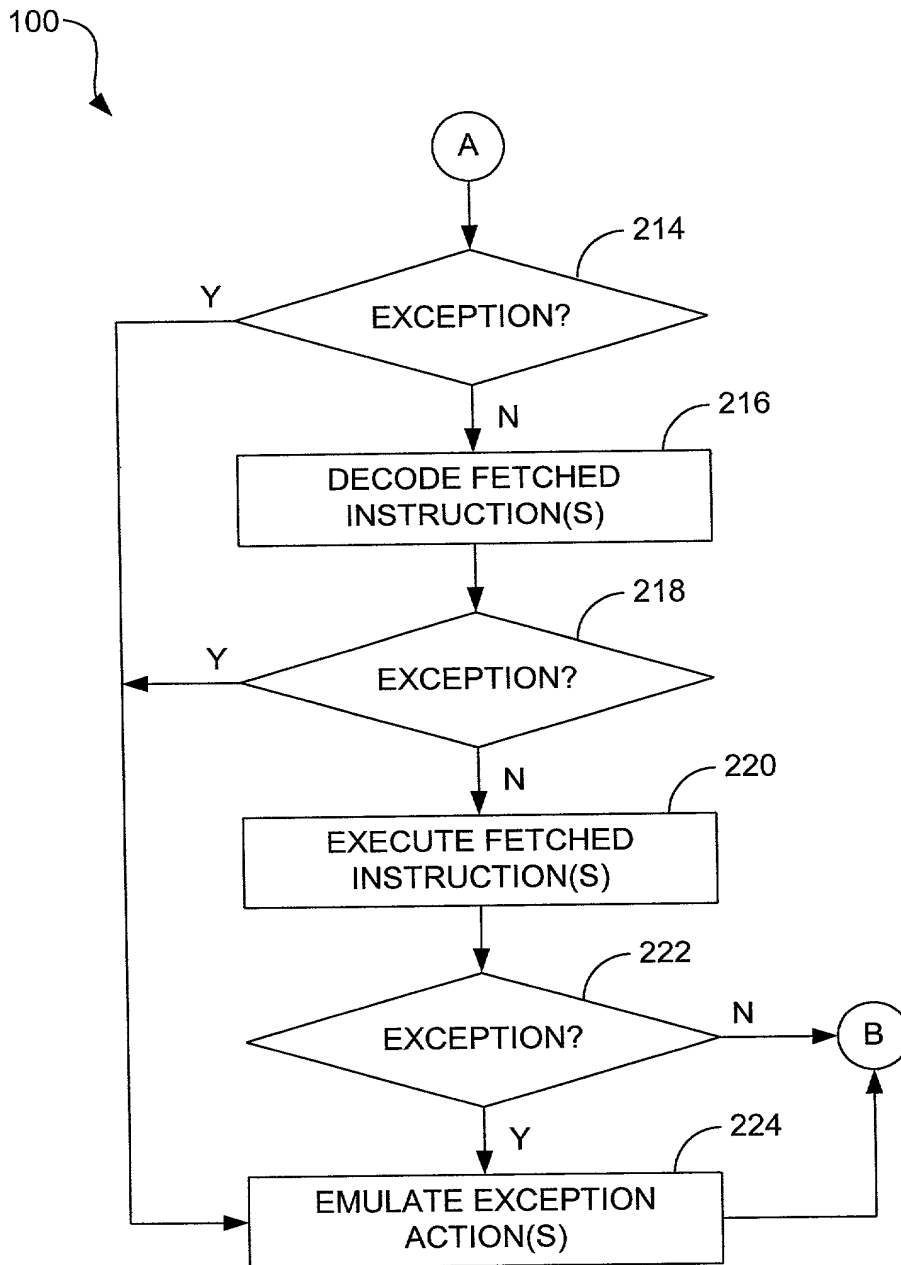


FIG. 2B

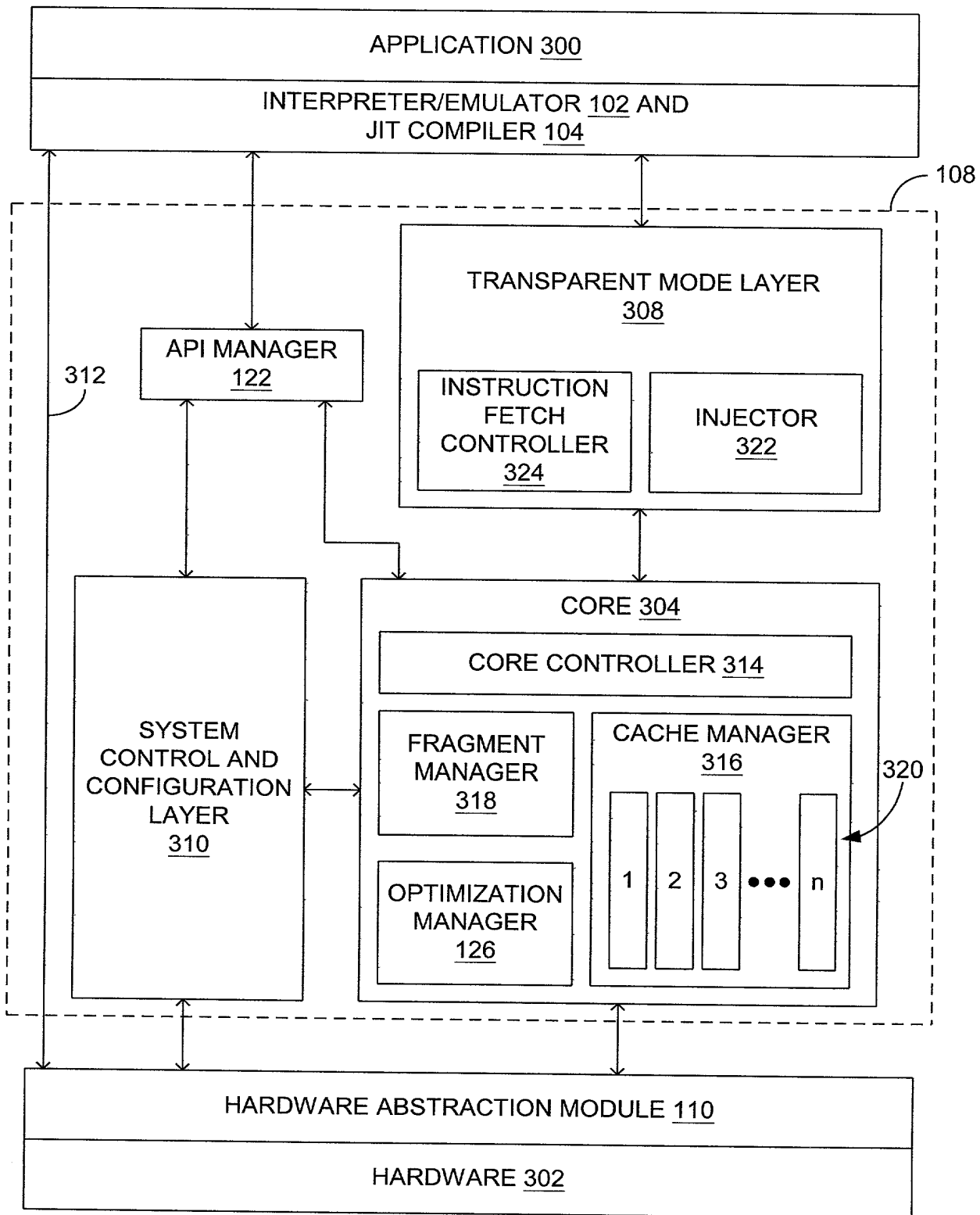


FIG. 3

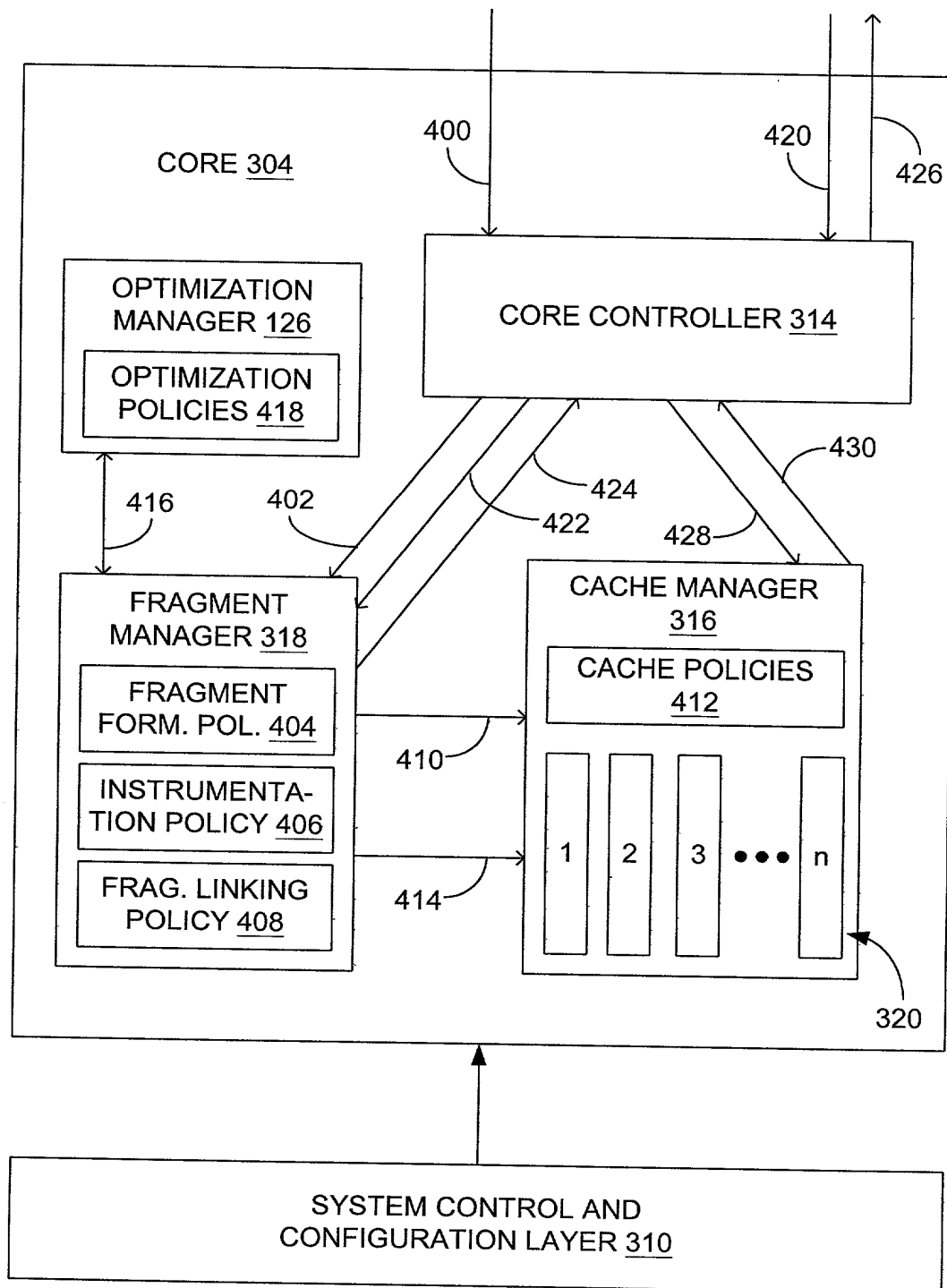


FIG. 4

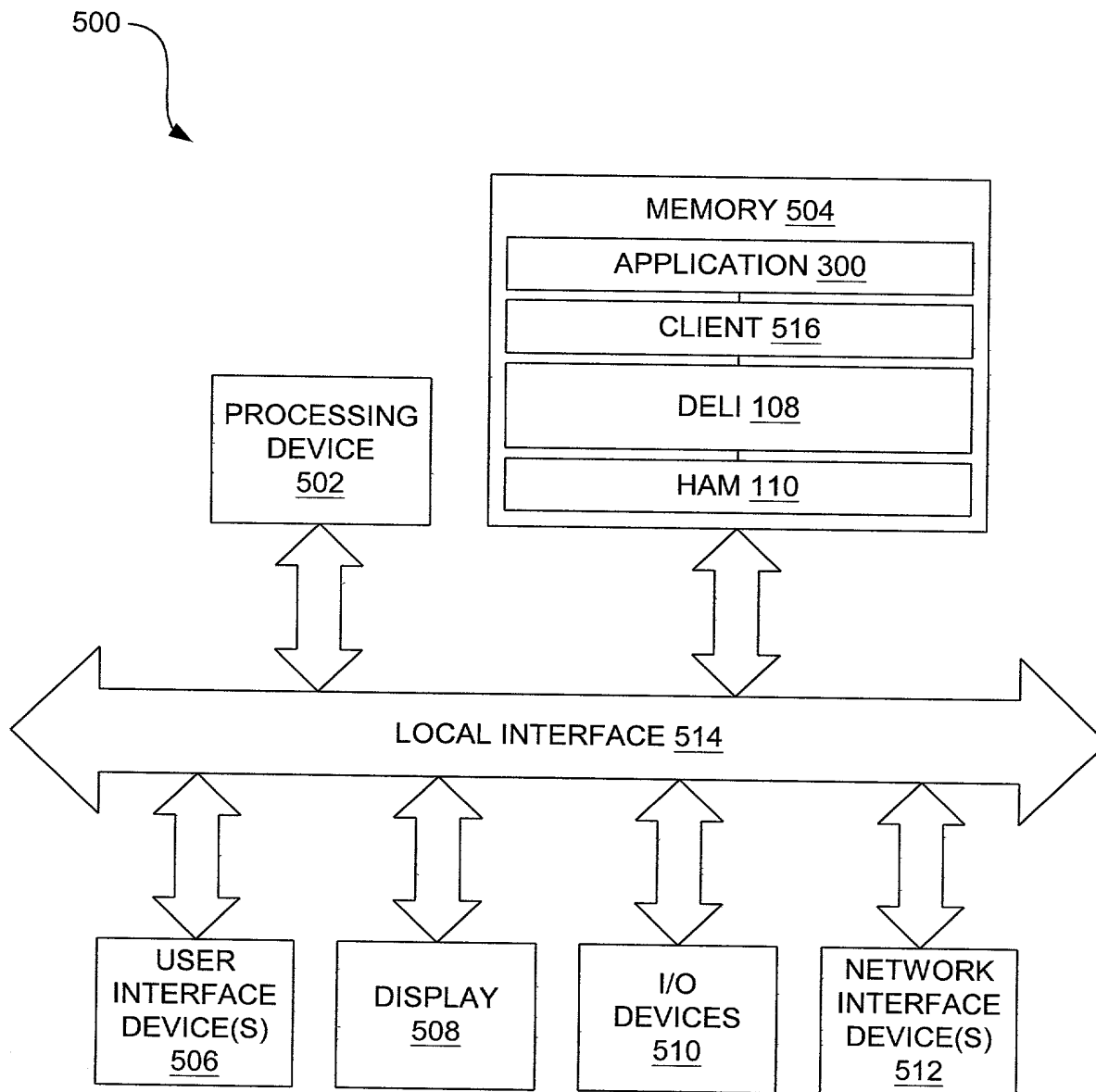


FIG. 5

Deli_init();
Deli_start();
Deli_stop();
Deli_emit_fragment (tag, start, end, mode, user_data)

- Stable/transient fragments support
- Transformations
- Instrumentations
- Profiling
- Optimization
- Tracking
- Metadata
- Multiple caches

Deli_exec_fragment (tag, context)
Deli_lookup_fragment (tag)
Deli_invalidate_fragment (frag_id)

- Unlinking
- Lazy invalidation
- Flushing
- Garbage collection

Deli_enum_fragment (callback)
Deli_cache_flush()

- Complete flush
- Lazy Invalidation
- On demand
- Profile based

Deli_install_callback (deli_event, callback)

- Code cache flushes
- Fragment invalidations
- Fragment profiling events
- Fragment user defined assertions
- Trace formation
- Metadata recombination

FIG. 6